



Figure 9. Composite CHIRP sub-bottom profile, with interpretations, from the nearshore area along Surfside Beach where the contact between underlying Cretaceous and Tertiary units has been identified inland. The profile identifies several strong reflections within the underlying continental shelf strata, but does not provide sufficient information for the positive identification of a single reflection representative of the unconformable boundary. Vertical scales for sub-bottom profiles are provided in both milliseconds (Two-Way Travel Time) and approximate depth in meters (assuming a seismic velocity of 1500 m/s). The location for profile A - A' is outlined in Figure 7 and on the inset map in Figure 8.